

Comparisons of Job Characteristics

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	13.7	15.0	0 Current knowledge level may be sufficient
Chemistry	4.8	8.3	7.3	< Expanded education and/or training may be required
Transportation	4.6	8.1	5.3	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	8.6	6.2	<< Extensive development of skills in this area may be required
Operation and Control	5.4	7.7	7.3	0 Current skill level may be sufficient
Equipment Maintenance	3.5	6.4	1.9	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	6.4	4.0	<< Extensive development of skills in this area may be required
Repairing	3.4	5.6	2.0	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 80			
Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Static Strength	5.0	12.4	10.2	<	Some improvement in abilities may be required
Trunk Strength	5.7	11.6	12.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	11.0	10.0	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.8	10.6	0	Current ability level may be sufficient
Far Vision	7.8	10.6	9.0	<	Some improvement in abilities may be required
Depth Perception	5.3	10.3	8.5	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	9.4	4.9	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	8.1	8.2	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	8.1	8.5	0	Current ability level may be sufficient
Wrist-Finger Speed	3.2	7.1	5.1	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.6	5.3	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 97
Focus Occupation: Cement Masons and Concrete Finishers (47-2051) Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Apply adhesives, caulking, sealants, or coatings	45	
Apply cleaning solvents	41	
Apply grouting or other masonry adhesives	81	
Build or repair masonry structures, including kilns or furnaces	84	
Build or repair structures in construction, repair, or manufacturing setting	54	
Climb ladders, scaffolding, or utility or telephone poles	56	
Cut or shape stone, tile, brick, or related material	76	
Erect scaffold	56	

Fabricate, assemble, or disassemble manufactured products by hand	11
Finish concrete surfaces	82
Install prefabricated building components	74
Measure tile or masonry materials	82
Mix mortar, grout, slurry, concrete, or related masonry material	80
Mix paint, ingredients, or chemicals, according to specifications	35
Move or fit heavy objects	8
Prepare site or surfaces for concrete or masonry work	76
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Repair or replace damaged bricks, tile, or related masonry	85
Understand construction specifications	53
Use concrete fabrication techniques	74
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: Cement Masons and Concrete Finishers (47-2051)

Associated Occupation: Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)

Tools and Technologies	Exclusivity
Building construction machinery and accessories	25
Business function specific software	1
Cleaning equipment	11
Computers	1
Dispensing tools	6
Finance accounting and enterprise resource planning ERP software	2
Forming tools	2
Holding and clamping tools	3
Industrial trucks	10
Industry specific software	1
Ladders and scaffolding	6
Lifting equipment and accessories	3
Masonry and concrete tools	22
Measuring and layout tools	3
Paving equipment	35
Pneumatic tools	8
Power tools	2
Prying and bending tools	10
Rough and finishing tools	5

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.